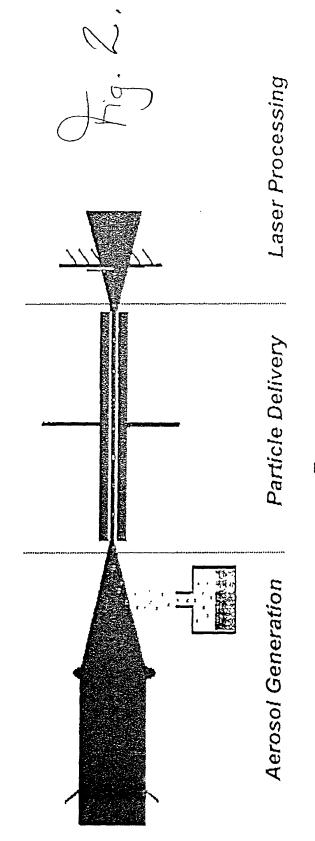


Features

- High Velocity (~10m/s)
 Variable Beam Diameter (10 µm)
 High Throughput (~ 10 ⁹ s⁻¹ in 100µm beam)
- Reduced Clogging
 Long Working Distance (~ few cm)
 - Simultaneous Laser Treatment

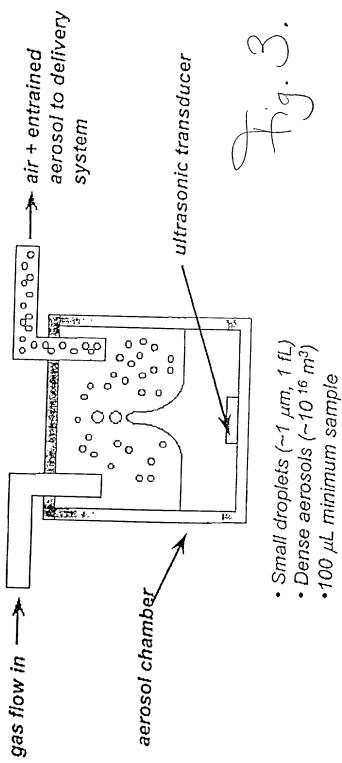


Features

Accuracy to 3 µm

- Small droplets (~1 μm) Dense aerosols (~10 16 m^3)
- Single particle to 109 particles/s
 Throughput to 0.25
- Low power (~ 50 mW)
 High scan rate (~1 m/s)
 Dense, conductive
 - materials (p~2x bulk)

mm³/s



- All solids, all precursors, or solid/precursor mixtures

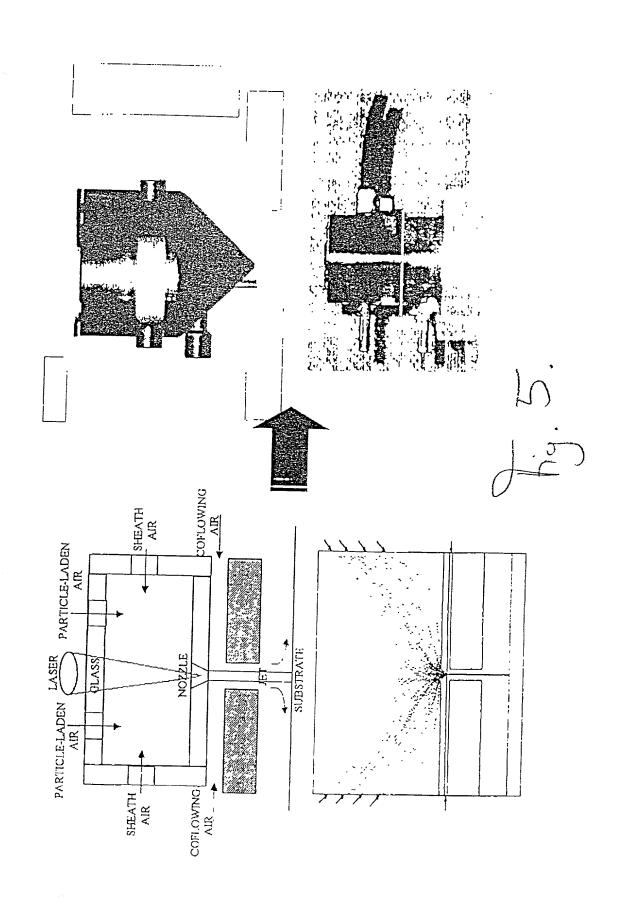
- Precursor based alloys with atomic scale mixing
- Organic and biological entities in droplets (enzymes, proteins, virus, etc.)

Air Jet

Compressed AirJetnimal Cells + Media

acteria rus

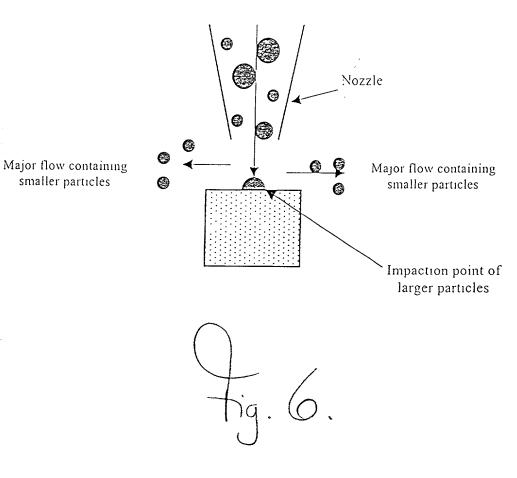
Particulate in Suspension



smaller particles

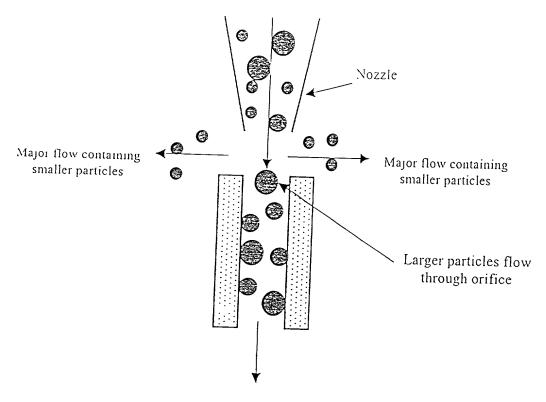
Cascade Impaction

Gas stream carrying various size particles



Virtual Impactor

Gas stream carrying various size particles

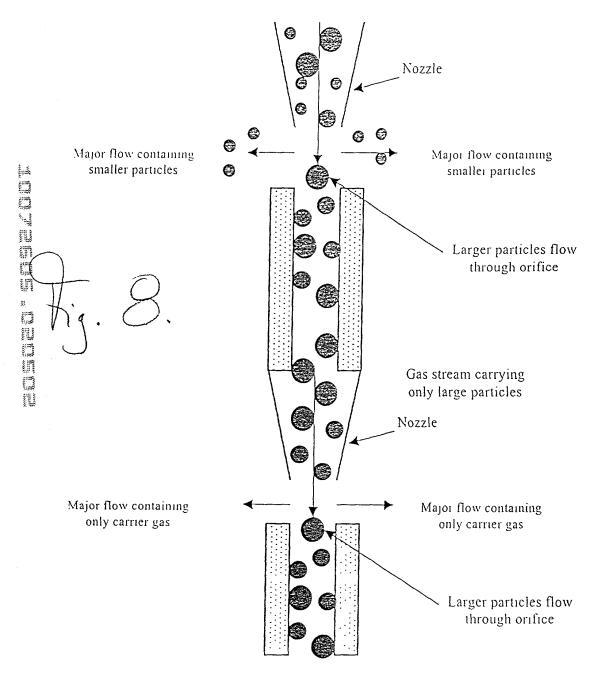


Minor Flow containing large particles



Virtual Impactors in Series

Gas stream carrying various size particles



Particle Sorting at Atomization Unit & Virtual Impactors in Series

Gas stream carrying only large particles from the atomizing unit

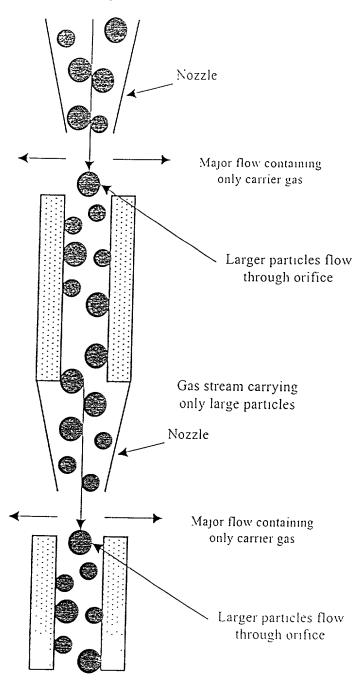
The first price are the first first the first price and the first first

Major flow containing

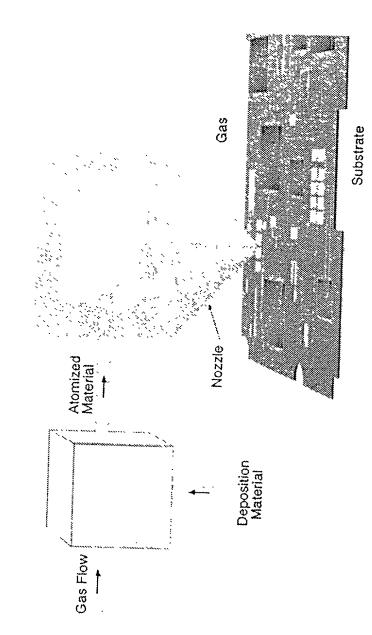
only carrier gas

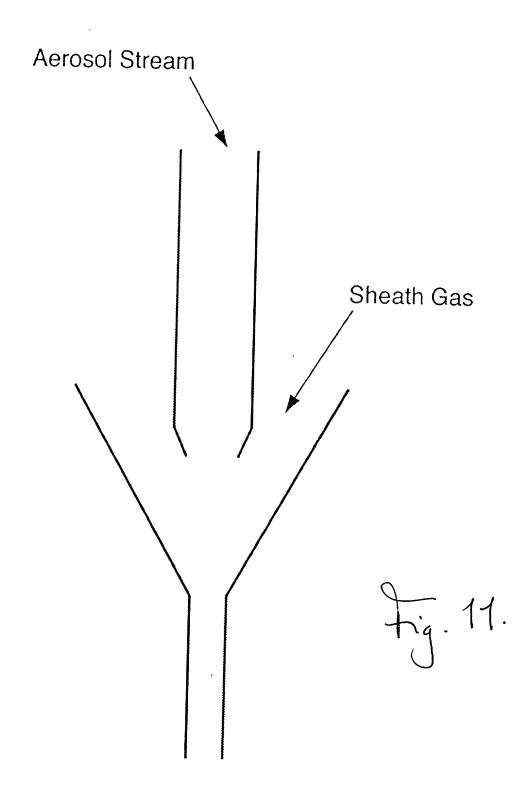
Major flow containing

only carrier gas

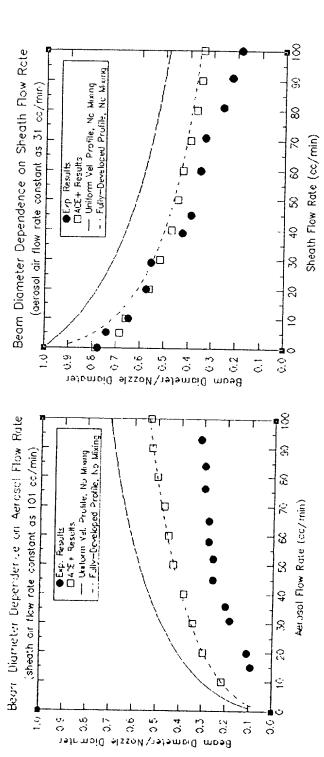


Flow Guidance Delivery System

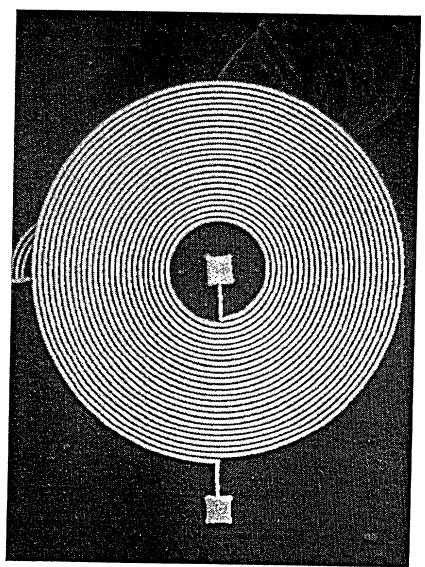




Hig. 12.



hig. 13.



4.

